25X1

[redacted] ILLEGIB

[redacted]

MLT-2023-R-6251
10 November 1971

Officer-In-Charge
USA Communications Service Group
Post Office Box 72
NAS Moffett Field, California 94035

25X1 Subject: [redacted]

Gentlemen:

Pursuant to the subject contract items 3 and 4, [redacted] 25X
25X1 [redacted] is pleased to submit Monthly Technical Progress Report No. 6 and the accompanying Contract Status Report for the period from 1 October through 31 October 1971.

Should further information relative to these reports be required, do not hesitate to contact [redacted] or the undersigned. 25X

Very truly yours,

[redacted] 25X

Supervisor, Contract Administration

WGB:eh
Enclosures: as stated, one (1) copy each

Five (5) copies of Progress Report and two (2) copies of Status Report furnished to:
Contracting Officer's Technical Representative

MONTHLY TECHNICAL PROGRESS REPORT #6 - ATTACHMENT #1

Detailed design of all components of the HILS system was initiated, with additional investigation being made into the specifications for optical elements, cooling system design, and reduction of shadowing. Specifications for purchase of the background lamps have been released and quotes received from the manufacturers.

Technical Progress for the Period included:

- Design of motion system complete; drawings released for fabrication of one engineering test assembly.
- Design of light tray 70% complete; drawings released for fabrication of one engineering test assembly.
- Design of motion system drive servo 50% complete; one amplifier and driver breadboarded and partially tested.
- Design of motion sensor system for bridge complete, parts released for fabrication.
- Design of electrical harness for entire table initiated.

Objectives for the next Period:

- Completion of detail design of HILS assembly.
- Completion of cooling system design.
- Procure components for two HILS assemblies.
- Completion of fabrication, and assembly of engineering test tray, motion system, and drive servo.
- Testing and evaluation of engineering test assembly.
- Release for fabrication of two trays, motion systems and servos for final installation.
- Procure background lamps.

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